

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1727	(proton adj conductor) or proton-conducting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 12:12
S2	5	S1 same tetraamino	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 09:45
S3	2267	\$6tetraamino\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 13:18
S4	10	S1 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 10:02
S5	416268	carboxylic adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 10:03
S6	942	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 10:03
S7	177	polyazole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 10:04
S8	9	S6 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 11:48
S19	28537	Muller.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 17:32

## EAST Search History

S20	18	Mex.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 12:06
S21	3	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 12:08
S22	2	"5,525,436".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 12:10
S23	6	"3,313,783".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 12:11
S24	2489	Kiefer.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 17:32
S25	1727	(proton adj conductor) or proton-conducting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 17:32
S26	47	S24 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:02
S27	99	Uensal.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:03
S28	51	S25 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:07
S29	1	Caludann.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:08

## EAST Search History

S30	160	Calundann.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:08
S31	123	S30 not S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:08
S32	119	S30 not S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:08
S33	3	S25 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:14
S34	155916	\$14dicarboxylic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:15
S35	210692	sulfonic adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:23
S36	29095	S34 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:16
S37	20	S25 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:16
S38	215318	(\$8sulfonic adj acid) OR (\$4sulfomethacrylic adj acid) OR (\$4sulfoacrylic adj acid) OR (\$4sulfomethylmethacrylic adj acid) OR (\$4sulfomethylacrylic adj acid) OR \$4sulfomethylmethacrylamid OR \$4sulfomethacrylamid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:27

## EAST Search History

S39	31233	S34 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:28
S40	21	S25 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/08 19:28
S41	2	"6,939,630".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/09 12:13
S42	822884	polybenzoxazole or polyimidazole or polybenzothiazole or polyoxadiazole or polythiadiazole or polypyridine or (poly)pyridine or polypyrimidine or (poly)pyrimidine or polytetrazapyrene or (poly)tetrazapyrene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/09 12:27
S43	250	(ethenesulfonic adj acid) or (propenesulfonic adj acid) or (butenesulfonic adj acid) or (\$4sulfomethacrylic adj acid) or (\$4sulfoacrylic adj acid) or (\$4sulfomethylmethacrylic adj acid) or (\$4sulfomethylacrylic adj acid) or \$4sulfomethylmethacrylamide or \$4sulfomethylacrylamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/09 12:33
S44	178	S42 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/09 12:38
S45	8559	proton with membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/09 12:34
S46	5	S44 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/09 12:34
S47	0	"DE-10133739.8".\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:39

## EAST Search History

S50	1	WO-2003007411\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:39
S51	1	DE-10133739\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 14:40
S52	1	DE-10133738\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 15:08
S53	45	Muller-Jorg\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 15:08
S54	3	S53 and membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 15:10
S55	6	Mex-Laurent\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 15:11
S56	66	Kiefer-Joachim\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 15:12
S57	57	S56 and membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/25 15:12
S59	230322	(\$10sulfonic adj acid) OR (\$4sulfomethacrylic adj acid) OR (\$4sulfoacrylic adj acid) OR (\$4sulfomethylmethacrylic adj acid) OR (\$4sulfomethylacrylic adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 13:18
S60	368	"proton-conducting polymer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 13:20

## EAST Search History

S61	159	"proton-conducting polymer membrane"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 13:20
S62	65	S59 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 17:47
S63	29589978	@py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 13:22
S64	3	S62 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 14:06
S65	250	"Celanese Ventures GMBH".AS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 14:07
S66	29	S60 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 14:29
S67	3	"20050244695"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 14:29
S68	1	WO-200238650\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 17:52
S69	2	"5,492,996".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 17:58

## EAST Search History

S70	4772	"vinylsulfonic acid" or "ethenesulfonic acid" or "propenesulfonic acid" or "butenesulfonic acid" or "2-sulfomethylacrylic acid" or "2-sulfomethylmethacrylic acid" or "2-sulfomethylacrylamide" or "2-sulfomethylmethacrylamide"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 18:02
S71	2024	(proton adj conductor) or proton-conducting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 18:03
S72	20	S71 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 18:26
S73	35	"aromatic tetraamino compound"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 18:32
S74	5	"3,784,517".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 18:57
S75	2	"5,525,436".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 18:59
S76	2	"5,218,076".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 19:01
S77	4	"4,012,303".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/28 19:01
S78	2	"5,698,627".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/02 15:30

## EAST Search History

S79	1	"4,075,093".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/18 13:05
S80	3	"20020045085"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/18 13:06
S81	1	"4,075,093".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 12:07
S82	3	"20020045085"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 12:11
S83	188	tetraaminobiphenyl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 12:11
S84	84	S83 and "carboxylic acid"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 12:12
S85	26	S84 and membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 15:52
S86	1	2004/0062969	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 15:53
S87	2	"20040062969"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 16:00
S88	2	"20010003130"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 16:01



## EAST Search History

S89	6	"3,783,137".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 16:03
S90	0	WO-0187992\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 16:03
S91	1	WO-200187992\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 17:43
S93	183	Sakaguchi-Yoshimitsu\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 17:44
S94	23	S93 and polybenzazole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/05 17:49
S98	2	"20010003130"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:14
S10 0	2	"20060183012"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:21
S10 1	2	WO-2004005373\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:24
S10 3	1	EP-1521796\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:26
S10 4	1	EP-1519981\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:28

## EAST Search History

S10 5	1	EP-1427517\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:28
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